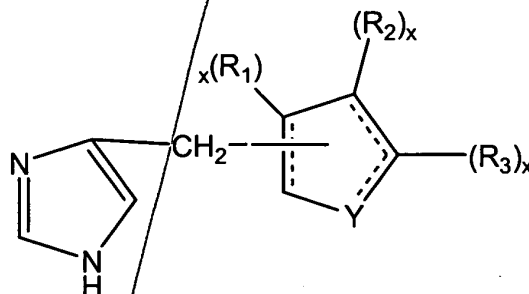
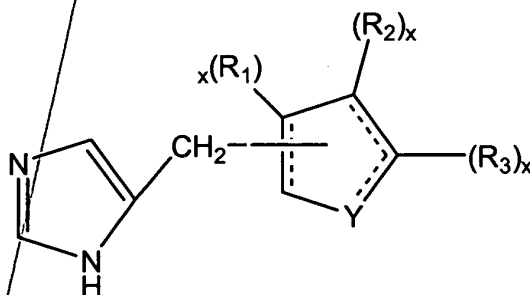


WHAT IS CLAIMED IS:

1. A compound having a structure selected from the group consisting of:



and



- 10 in which each x is independently 1 or 2;  
each R<sub>1</sub> is independently selected from the group consisting of H; halogen; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; --COR<sub>4</sub> where R<sub>4</sub> is H, C<sub>1-4</sub> alkyl or C<sub>1-4</sub> alkoxy; C<sub>3-6</sub> cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; oxo; or -(CH<sub>2</sub>)<sub>n</sub>-X-(CH<sub>2</sub>)<sub>m</sub>-(R<sub>5</sub>)<sub>o</sub> where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and R<sub>5</sub> is methyl  
15 or H<sub>1-2</sub>;  
each R<sub>2</sub> and each R<sub>3</sub> are independently selected from the group consisting of H; halogen; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; --COR<sub>4</sub> where R<sub>4</sub> is H; C<sub>1-4</sub> alkyl or C<sub>1-4</sub> alkoxy; C<sub>3-6</sub> cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; oxo;

- or  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; or an  $R_2$  and an  $R_3$  together condense to form a saturated, partly saturated, or unsaturated ring structure having the formula  $-(C(R_6)_p)_q-X_s-(C(R_6)_p)_r-X_t-(C(R_6)_p)_u$  where each  $R_6$  is independently selected
- 5 from the group consisting of H; halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H,  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl and oxo where each p is independently 1 or 2, q is 0-5, r is 0-5, u is 0-5; each X is independently O, S, or N and s is 0 or 1; provided that  $q + r + u + s + t$  is less than 6;
- 10 Y is selected from the group consisting of O; S; N;  $-(C(R_7)_z)_s$ —where each  $R_7$  is independently as previously defined for  $R_1$ , each z is independently 1-2, and s is 1-3;  $--CH=$ ;  $--CH=CH--$ ; or  $Y_1CH_2$ —where  $Y_1$  is O, N, or S; and the dotted lines are optional double bonds, with the proviso that if the ring including Y is a cyclohexane ring or a heterocyclic 5 member ring said ring is not fully
- 15 unsaturated, and that if Y is O, N or S, the ring including Y contains at least one said double bond,
- said compound further having selective agonist activity at the  $\alpha 2B$  or  $\alpha 2B/\alpha 2C$  adrenergic receptor subtype(s) over the  $\alpha 2A$  adrenergic receptor subtype, and all pharmacologically acceptable salts, esters, stereoisomers and racemic
- 20 mixtures thereof.
2. The compound of claim 1 in which the ring including Y has either a single double bond or no double bond, except that when an  $R_2$  and an  $R_3$  condense together to form a saturated, unsaturated or partly saturated ring structure
- 25 said Y-including ring may share an additional double bond with said condensed ring, provided Y is not S, O, or N.

3. The compound of claim 2 in which Y is selected from the group consisting of: O; S; N; --CH=; --CH<sub>2</sub>-CH<sub>2</sub>--; --CH<sub>2</sub>--; --CH=CH--; --Y<sub>1</sub>=CH-- and --Y<sub>1</sub>CH<sub>2</sub>-- where Y<sub>1</sub> is O, N or S.
- 5 4. The compound of either claim 2 or 3 in which each R<sub>1</sub>, if present, is independently selected from the group consisting of: H; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; halide; C<sub>3-6</sub> cyloalkyl and trihalomethyl.
- 10 5. The compound of any of claims 1, 2, or 3 in which Y is selected from the group consisting of: --CH<sub>2</sub>--; --CH=; O; S; and N.
6. The compound of claim 4 in which Y is selected from the group consisting of: --CH<sub>2</sub>--; --CH=; O; S; and N.
- 15 7. The compound of any of claims 1, 2 or 3 in which Y is selected from the group consisting of: --CH<sub>2</sub>-CH<sub>2</sub>--; --CH=CH--; --Y<sub>1</sub>=CH-- and --Y<sub>1</sub>-CH<sub>2</sub>--, where Y<sub>1</sub> is O, N, or S.
- 20 8. The compound of claim 4 in which Y is selected from the group consisting of --CH<sub>2</sub>-CH<sub>2</sub>--; --CH=CH--; and --Y<sub>1</sub>-CH<sub>2</sub>--, where Y<sub>1</sub> is O, N, or S.
- 25 9. The compound of claim 2, in which each R<sub>2</sub> and each R<sub>3</sub> are independently selected from the group consisting of: H; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; halide; trihalomethyl; cycloalkyl; (CH<sub>2</sub>)<sub>n</sub>-X-(CH<sub>2</sub>)<sub>m</sub>-(R<sub>5</sub>)<sub>o</sub>, where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and R<sub>5</sub> is methyl or H<sub>1-2</sub>; or an R<sub>2</sub> and an R<sub>3</sub> together condense to form a saturated, partly saturated, or unsaturated ring structure having the formula --(C(R<sub>6</sub>)<sub>p</sub>)<sub>q</sub>-X<sub>s</sub>-(C(R<sub>6</sub>)<sub>p</sub>)<sub>r</sub>-X<sub>t</sub>-(C(R<sub>6</sub>)<sub>p</sub>)<sub>u</sub> where each R<sub>6</sub> is independently selected from the group consisting of H; halogen; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; --COR<sub>4</sub> where R<sub>4</sub> is H,

C<sub>1-4</sub> alkyl or C<sub>1-4</sub> alkoxy; C<sub>3-6</sub> cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; and oxo where each p is independently 1 or 2, q is 0-4, r is 0-4, u is 0-4; each X is independently O, S, or N, s is 0 or 1, and q + s + r + t + u = 3 or 4.

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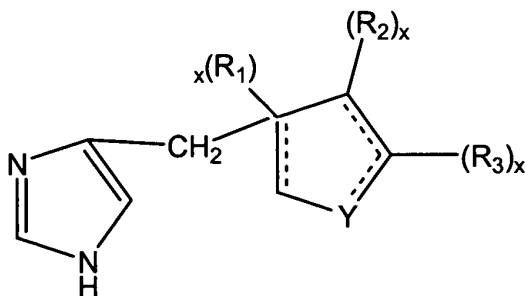
10. The compound of claim 3, in which each R<sub>2</sub> and each R<sub>3</sub> are independently selected from the group consisting of: H; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; halide; trihalomethyl; cycloalkyl; (CH<sub>2</sub>)<sub>n</sub>-X-(CH<sub>2</sub>)<sub>m</sub>-(R<sub>5</sub>)<sub>o</sub>, where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and R<sub>5</sub> is methyl or H<sub>1-2</sub>; or an R<sub>2</sub> and an R<sub>3</sub> together condense to form a saturated, partly saturated, or unsaturated ring structure having the formula -(C(R<sub>6</sub>)<sub>p</sub>)<sub>q</sub>-X<sub>s</sub>-(C(R<sub>6</sub>)<sub>p</sub>)<sub>r</sub>-X<sub>t</sub>-(C(R<sub>6</sub>)<sub>p</sub>)<sub>u</sub> where each R<sub>6</sub> is independently selected from the group consisting of H; halogen; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; --COR<sub>4</sub> where R<sub>4</sub> is H, C<sub>1-4</sub> alkyl or C<sub>1-4</sub> alkoxy; C<sub>3-6</sub> cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; and oxo where each p is independently 1 or 2, q is 0-4, r is 0-4, u is 0-4; each X is independently O, S, or N, s is 0 or 1, and q + s + r + t + u = 3 or 4.

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11. The compound of claim 10 where if any R<sub>1</sub> is not H, then (R<sub>1</sub>)<sub>x</sub> equals (R<sub>1</sub>)<sub>1</sub>, R<sub>1</sub> is not present, or (R<sub>1</sub>)<sub>x</sub> equals R<sub>1</sub> and H; if any R<sub>2</sub> is not H, then either (R<sub>2</sub>)<sub>x</sub> equals (R<sub>2</sub>)<sub>1</sub> or (R<sub>2</sub>)<sub>x</sub> equals R<sub>2</sub> and H; and if any R<sub>3</sub> is not H, then either (R<sub>3</sub>)<sub>x</sub> equals (R<sub>3</sub>)<sub>1</sub>, or (R<sub>3</sub>)<sub>x</sub> equals R<sub>3</sub> and H.

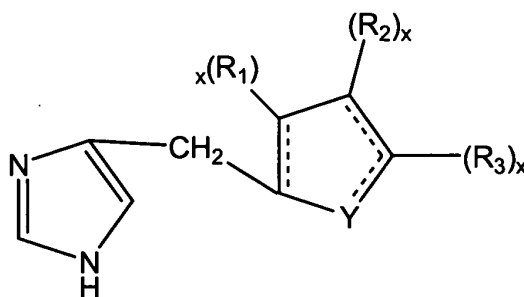
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12. The compound of claim 10 represented by a formula selected from the group consisting of :



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and



10 13. The compound of claim 12 in which the ring including Y is completely saturated.

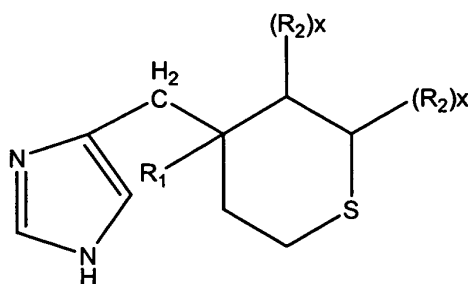
14. The compound of claim 13 in which at least one of (R<sub>1</sub>)<sub>x</sub>, (R<sub>2</sub>)<sub>x</sub> and (R<sub>3</sub>)<sub>x</sub> equals (H)<sub>2</sub>.

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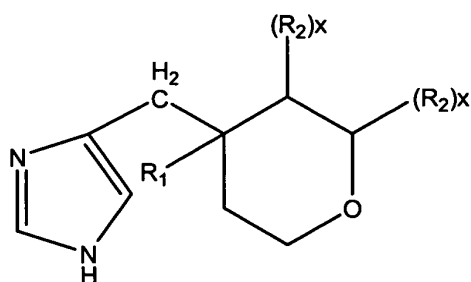
15. The compound of claim 14 in which (R<sub>1</sub>)<sub>x</sub> equals H or (H)<sub>2</sub>.

16. The compound of claim 13 in which at least one of an  $R_2$  or an  $R_3$  is selected from the group consisting of: halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl; - $COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $(CH_2)_n-X-(CH_2)_m-(R_5)_o$ , where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
17. The compound of claim 13 in which Y is selected from the group consisting of  $--CH_2--$ , O, S, and N.
18. The compound of claim 17 in which Y is  $--CH_2--$ .
19. The compound of claim 17 in which Y is selected from the group consisting of O, S, and N.
20. The compound of claim 13 in which Y is selected from the group consisting of  $--CH_2-CH_2--$  and  $--Y_1-CH_2--$ , where  $Y_1$  is O, S, or N.
21. The compound of claim 20 in which Y is  $--CH_2-CH_2--$ .
22. The compound of claim 20 in which Y is  $--Y_1-CH_2--$ , where  $Y_1$  is O, S, or N.
23. The compound of claim 22 comprising the following structure:

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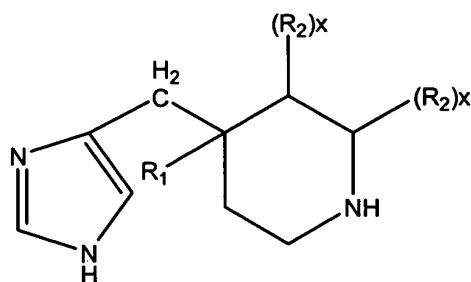


24. The compound of claim 22 comprising the following structure:



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25. The compound of claim 22 comprising the following structure:



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26. The compound of any one of claims 21-25 in which an  $R_2$  and an  $R_3$  together condense to form a saturated, partly saturated, or unsaturated ring structure having the formula  $-(C(R_6)_p)_q-X_s-(C(R_6)_p)_r-X_t-(C(R_6)_p)_u$  where each  $R_6$  is independently selected from the group consisting of H; halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H,  $C_{1-4}$  alkyl or  $C_{1-4}$

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alkoxy; C<sub>3-6</sub> cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; and oxo where each p is independently 1 or 2, q is 0-4, r is 0-4, u is 0-4; each X is independently O, S, or N, s is 0 or 1, and  $q + s + r + t + u = 3$  or 4.

- 5    27. The compound of claim 26 in which at least one of s and t equals 1.
28. The compound of claim 27 in which  $q + r + s + t + u$  equal 3.
29. The compound of claim 28 in which an X equals S.
- 10    30. The compound of claim 28 in which an X equals O.
31. The compound of claim 28 in which an X equals N.
- 15    32. The compound of claim 27 in which  $q + r + s + t + u$  equal 4.
33. The compound of claim 32 in which an X equals S.
34. The compound of claim 32 in which an X equals O.
- 20    35. The compound of claim 32 in which an X equals N.
- 25    36. The compound of either of claims 28 or 32 in which at least one R<sub>6</sub> is selected from the group consisting of halogen; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkenyl; C<sub>1-4</sub> alkynyl; --COR<sub>4</sub> where R<sub>4</sub> is H; C<sub>1-4</sub> alkyl or C<sub>1-4</sub> alkoxy; C<sub>3-6</sub> cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and R<sub>5</sub> is methyl or H<sub>1-2</sub>; and oxo.



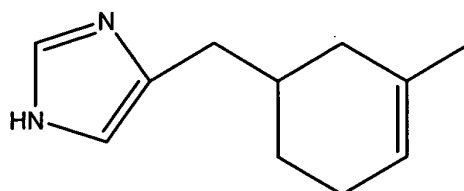
37. The compound of either of claim 36 in which at least two  $R_6$  groups are selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
38. The compound of claim 26 in which both s and t equal 0.
39. The compound of claim 38 in which  $q + r + s + t + u$  equal 3.
40. The compound of claim 39 in which said ring structure is not completely saturated.
41. The compound of claim 40 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
42. The compound of claim 41 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
43. The compound of claim 39 in which said ring structure is fully saturated.
44. The compound of claim 43 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$

where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.

- 5 45. The compound of claim 44 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
- 10 46. The compound of claim 38 in which  $q + r + s + t + u$  equal 4.
47. The compound of claim 46 in which said ring structure is fully saturated.
- 15 48. The compound of claim 47 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
- 20 49. The compound of claim 48 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
- 25 50. The compound of claim 46 in which said ring structure is not completely saturated.

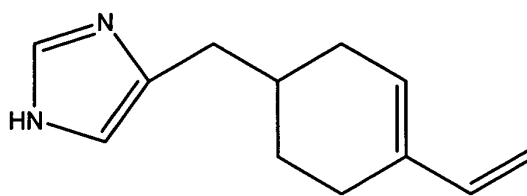
51. The compound of claim 50 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
52. The compound of claim 51 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl;  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ ; and oxo.
53. The compound of claim 12 in which the ring including Y is not completely saturated.
54. The compound of claim 53 in which at least one of  $(R_1)_x$ ,  $(R_2)_x$  and  $(R_3)_x$  equals  $(H)_2$ .
55. The compound of claim 54 in which  $(R_1)_x$  equals H or  $(H)_2$ .
56. The compound of claim 53 in which at least one of an  $R_2$  or an  $R_3$  is selected from the group consisting of: halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; oxo; and  $-(CH_2)_n-X-(CH_2)_m-(R_5)_o$  where X is O, S or N, n is 0-3, m is 0-3, o is 0-1, and  $R_5$  is methyl or  $H_{1-2}$ .
57. The compound of claim 56 in which said at least one of an  $R_2$  or an  $R_3$  is selected from the group consisting of:  $C_{1-4}$  alkyl;  $C_{1-4}$  alkoxy,  $C_{1-4}$  alkenyl; and  $C_{1-4}$  alkynyl.

58. The compound of claim 56 in which said compound has the structure:

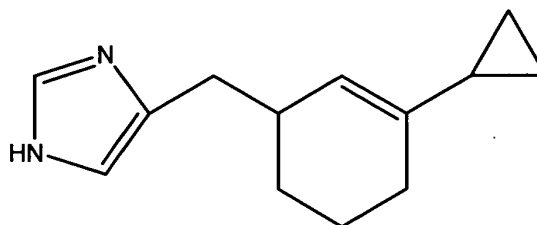


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59. The compound of claim 56 in which said compound has the structure:

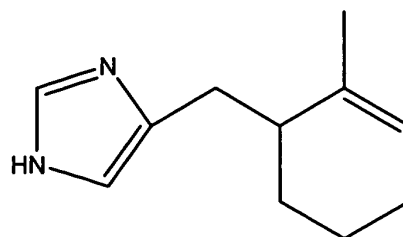


10 60. The compound of claim 56 in which said compound has the structure:

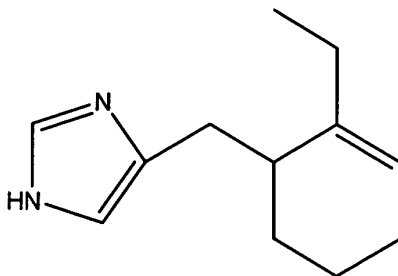


61. The compound of claim 56 in which said compound has the structure:

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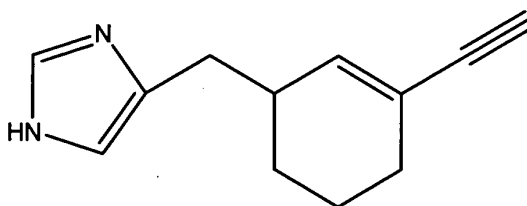


62. The compound of claim 56 in which said compound has the structure:

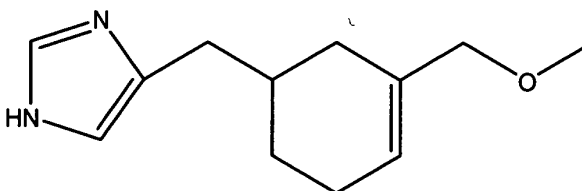


63. The compound of claim 56 in which said compound has the structure:

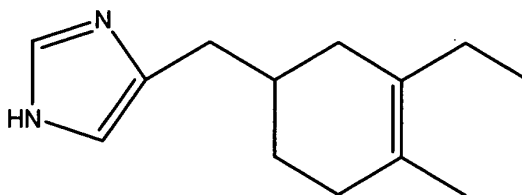
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64. The compound of claim 56 in which said compound has the structure:

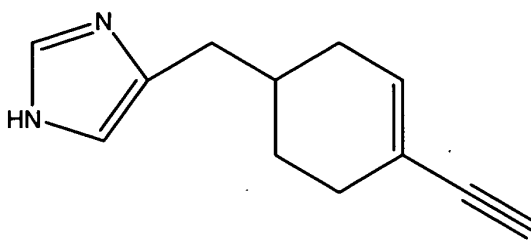


10 65. The compound of claim 56 in which said compound has the structure:

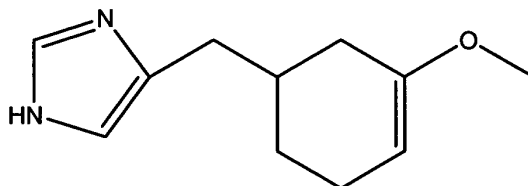


66. The compound of claim 56 in which said compound has the structure:

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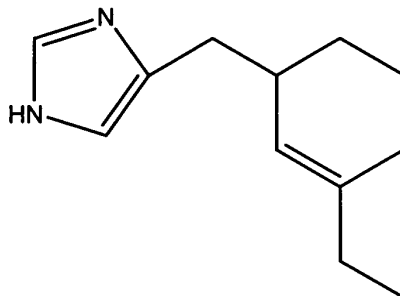


67. The compound of claim 56 in which said compound has the structure:

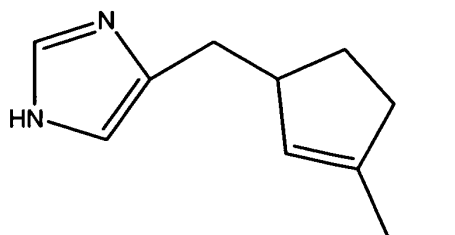


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68. The compound of claim 56 in which said compound has the structure:



69. The compound of claim 56 in which said compound has the structure:



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70. The compound of claim 53 in which said at least one of an  $R_2$  or an  $R_3$  is selected from the group consisting of: halogen; trihalomethyl and  $C_{3-6}$  cycloalkyl.

71. The compound of claim 53 in which an  $R_2$  and an  $R_3$  together condense to form a saturated, partly saturated, or unsaturated ring structure having the formula  $-(C(R_6)_p)_q-X_s-(C(R_6)_p)_r-X_t-(C(R_6)_p)_u$  where each  $R_6$  is independently selected from the group consisting of H; halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H,  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; cyano; nitro; trihalomethyl; and oxo where each p is independently 1 or 2, q is 0-4, r is 0-4, u is 0-4; each X is independently O, S, or N, s is 0 or 1, and  $q + s + r + t + u = 3$  or 4.

72. The compound of claim 71 in which at least one of s and t equals 1.

73. The compound of claim 72 in which  $q + r + s + t + u$  equal 3.

74. The compound of claim 73 in which an X equals S.

75. The compound of claim 73 in which an X equals O.

76. The compound of claim 73 in which an X equals N.

77. The compound of claim 72 in which  $q + r + s + t + u$  equal 4.

78. The compound of claim 77 in which an X equals S.

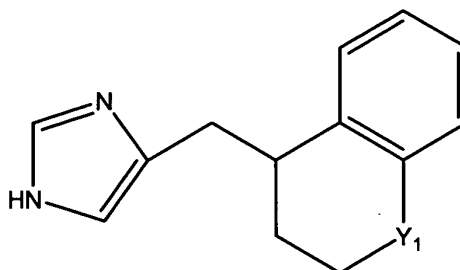
79. The compound of claim 77 in which an X equals O.

80. The compound of claim 77 in which an X equals N.

81. The compound of either of claims 73 or 77 in which at least one  $R_6$  is  
selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$   
5 alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl;  
aryl; heteroaryl; trihalomethyl; and oxo.

82. The compound of claim 81 in which at least two  $R_6$  groups are selected from  
the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl; --  
10  $COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl;  
heteroaryl; trihalomethyl; and oxo.

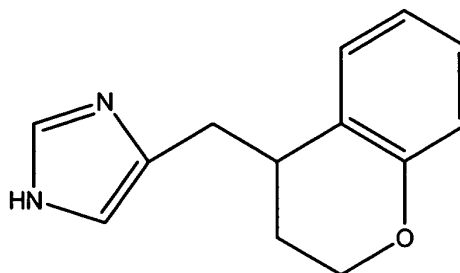
83. The compound of claim 77 in which said compound has the structure:



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in which  $Y_1$  is selected from the group consisting of O, N, and S.

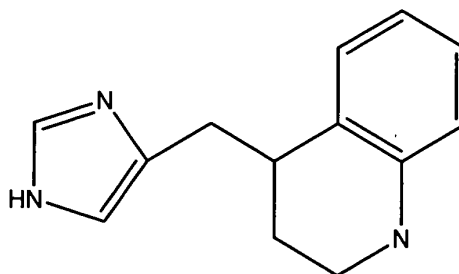
84. The compound of claim 77 in which said compound has the structure:



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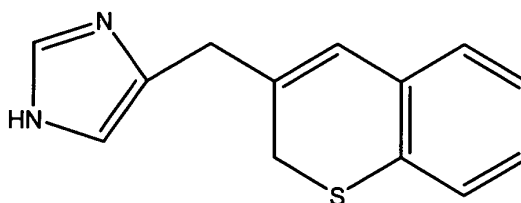


85. The compound of claim 77 in which said compound has the structure:

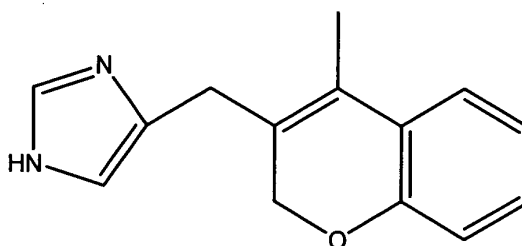


86. The compound of claim 77 in which said compound has the structure:

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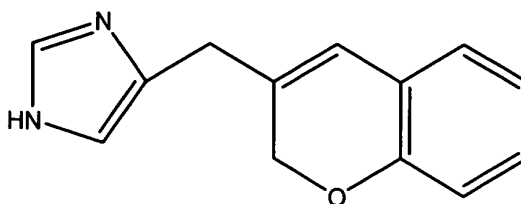


87. The compound of claim 77 in which said compound has the structure:



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88. The compound of claim 77 in which said compound has the structure:



89. The compound of claim 71 in which both s and t equal 0.

90. The compound of claim 89 in which  $q + r + s + t + u$  equal 3.

5

91. The compound of claim 90 in which said ring structure is at least partly saturated.

92. The compound of claim 91 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

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93. The compound of claim 92 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

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94. The compound of claim 90 in which said ring structure is fully unsaturated.

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95. The compound of claim 94 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

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96. The compound of claim 92 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

97. The compound of claim 89 in which  $q + r + s + t + u$  equal 4.
98. The compound of claim 97 in which said ring structure is fully saturated.

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99. The compound of claim 98 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

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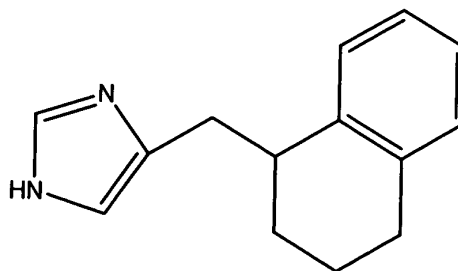
100. The compound of claim 99 in which at least two  $R_6$  groups are independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

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101. The compound of claim 97 in which said ring structure is partly saturated.

102. The compound of claim 101 in which said compound has the formula:

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103. The compound of claim 101 in which at least one  $R_6$  is selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$

where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

104. The compound of claim 103 in which at least two  $R_6$  groups are  
5 independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

105. The compound of claim 97 in which said ring structure is unsaturated.

106. The compound of claim 105 in which at least one  $R_6$  is selected from the  
group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$   
where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$  cycloalkyl; aryl; heteroaryl;  
trihalomethyl; and oxo.

107. The compound of claim 106 in which at least two  $R_6$  groups are  
independently selected from the group consisting of halogen;  $C_{1-4}$  alkyl;  $C_{1-4}$   
alkenyl;  $C_{1-4}$  alkynyl;  $--COR_4$  where  $R_4$  is H;  $C_{1-4}$  alkyl or  $C_{1-4}$  alkoxy;  $C_{3-6}$   
cycloalkyl; aryl; heteroaryl; trihalomethyl; and oxo.

108. A compound represented by the structure:

